

L Number	Hits	Search Text	DB	Time stamp
-	1114	(cool\$3 with wall) and gasifi\$7	USPAT	2003/06/14 18:22
-	26	((cool\$3 with wall) and gasifi\$7) and (half with tubes)	USPAT	2003/06/14 19:33
-	165	((cool\$3 with wall) and gasifi\$7) and (cool\$3 same weld\$3)	USPAT	2003/06/14 19:48
-	698	(165/169).CCLS.	USPAT	2003/06/24 15:10
-	572	(165/181).CCLS.	USPAT	2003/06/24 15:11
-	304	DONNER-R DONNER-RALF DONNER-R-A DONNER-R-B-H DONNER-R-D DONNER-R-E DONNER-R-J DONNER-R-W DEGENKOLBE-D DEGENKOLB-D DEGENKOLB-DIETMAR DEGENKOLB-DIETMAR-DIPL-ING DEGENKOLB-DIETMAR-DR-ING DEGENKOLB-D-J SCHINGNITZ-DIETMAR SCHINGNITZ-DIETMAR-DIPL-ING SCHINGNITZ-M SCHINGNITZ-MANFED SCHINGNITZ-MANFRED SCHINGNITZ-MANFRED-DIPL-ING-DR SCHINGNITZ-MANFRED-DR SCHINGNITZ-MANFRED-DR-ING ADLER-D ADLER-DIETMAR ADLER-DIETMAR-DIPL-ING ADLER-D-A ADLER-D-B ADLER-D-E ADLER-D-G ADLER-D-L ADLER-D-M ADLER-D-R ADLER-D-S ADLER-D-T ADLER-D-W GORZ-J GORZ-JURGEN REUTHER-C REUTHER-CHRISTIAN REUTHER-CHRISTIAN-DIPL-ING "FR 2569827" "EP 254830" "US 4343626"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/24 17:04
8			USPAT;	2003/06/24 17:05
-	6	"DE 19718131" "DE 4446803"	USPAT;	2003/06/24 17:10
-	21	"US 5457250" "US 5347068" "US 5449854" "DE 19829385" "DE 4446803" "DE 19718131" "DD 226588" "GB 2344350" "DE 4109231"	USPAT;	2003/06/24 17:38
-	9	"WO 9535271" "EP 99443" "DE 3227545" "JP 59032932" "DE 4311417" "1994JP-0024419" "1995JP-0233102"	USPAT;	2003/06/24 19:12
-	16	("2768200") or ("2997435") or ("3231338") or ("3472632") or ("3515520") or ("3949058") or ("4985208") or ("5064450") or ("5072622") or ("5246549") or ("5552039") or ("5565393") or ("5578278") or ("5667758") or ("5883349") or ("5902912")).PN. (("5874644") or ("6033635") or ("6241953") or ("5959158")).PN.	USPAT	2003/06/24 19:12
-	4		USPAT	2003/06/24 19:17
-	55	gasifier and ((brick or brickwork or brick-work) with (lining or lined))	USPAT	2003/10/20 07:38

ERWENT-ACC- 1985-317400

O:

ERWENT-WEEK: 198551

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ITLE: Gas producer jacket - with through pins and shorter pins between inner and outer shells

NVENTOR: BERGER, F; FEDOTOV, V ; GUDYMOV, E ; LUCAS, K ; SCHINGNITZ, M ; SEMENOV, V

ATENT-ASSIGNEE: BRENNSTOFF FREIBERG[FREI] , BRENNSTOFFINST FREIBERG[FREI]

RIOORITY-DATA: 1984DD-0266957 (September 4, 1984)

ATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE PAGES MAIN-IPC		
DD 226588 A	August 28, 1985	N/A	011	N/A
CS 8505319 A	December 18, 1986	N/A	000	N/A
DE 3523610 A	March 13, 1986	N/A	000	N/A
FR 2569827 A	March 7, 1986	N/A	000	N/A
JP 61066793 A	April 5, 1986	N/A	000	N/A

PPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 3523610A	N/A	1986DE-3523610	March 13, 1986
JP 61066793A	N/A	1985JP-0194013	September 4, 1985

NT-CL (IPC): C10J003/48, F23J013/00 , F23M005/08

BSTRACTED-PUB-NO: DD 226588A

ASIC-ABSTRACT:

pinned sheath for e.g. a gas producer with liq. slag extraction to act as a cooling jacket consists of parallel plane discs, cylindrical shell rings and connecting conical sections. The inner shells are joined to the outer shells by spacer pins. Additional shorter pins are welded to the inner shells and protrude into the cooling jacket.

DVANTAGE - The better cooling effect permits the temp. in the reaction zone to be raised by 300-500 deg. C. The pins break up any formed steam bubbles and result in a higher functional reliability of the gas producer.

HOSEN-DRAWING: Dwg.0/2**ITLE-TERMS:** GAS PRODUCE JACKET THROUGH PIN SHORT PIN INNER OUTER SHELL

ERWENT-CLASS: H09 Q73

PI-CODES: H09-C;

ECONDARY-ACC-NO:

PI Secondary Accession Numbers: C1985-137130